Omnitron Systems Technology, Inc.

FlexPoint™ 10FL/T User Instructions

ABOUT THIS MANUAL:

This document supports revision "Rev. 2" of the 10FL/T. Please refer to the serial number label on the bottom of the 10FL/T for the revision number of your product. This revision incorporates the following improvements to the 10FL/T:

1. 10FL/T operates in Link Propagate mode: A port of the 10FL/T transmits a Link signal only when receiving a Link at the other port.

DESCRIPTION:

The Omnitron FlexPoint 10FL/T media converter provides 10BASE-FL single-mode (SM) or multimode (MM) fiber to 10BASE-T twisted pair (UTP) media conversion. The 10FL/T is compliant with the IEEE 802.3 standards.

It features a pair of ST, SC or MT-RJ fiber connectors and an EIA/TIA 568 RJ45 UTP connector.

These FlexPoint 10FL/T models are supported:

Model	Fiber Type	Max Distance	Connector
4300	850 nm (MM)	2 km	ST
4301	1310 nm (SM)	30 km	ST
4302	1310 nm (MM)	5 km	ST
4303	850 nm (MM)	2 km	SC
4304	1310 nm (SM)	30 km	ST
4305	1310 nm (MM)	5 km	MT-RJ
4306	1550 nm (SM)	85 km	SC
4307	1550 nm (SM)	120 km	SC
4308	1310 nm (SM)	30 km	MT-RJ

For other fiber configurations, please consult factory.

The 10FL/T automatically supports Half-Duplex and Full-Duplex operations. It also supports switch-selectable straight-through or crossed RJ45 UTP wiring.

POWER ADAPTER NOTICE:

1. When used in a standalone configuration, this product is intended to be used only with a Listed Direct Plug-In Power Unit marked "Class 2" and rated at 9Vdc, 1 Amp.

2. This product should always be used only with Omnitron Supplied Power Unit model number 9113-PS or 9115-PS.

WARNING!

Before inserting the Power Adapter, verify that the power on the unit is appropriate for your AC line voltage source.

MOUNTING:

The FlexPoint 10FL/T can be solo-mounted using a wall-mounting kit or DC Power Adapter. It can also be rack-mounted using a 5-position shelf, or a 14-position, high-density FlexPoint Powered Chassis. If wall-mounting or shelf-mounting, attach the power adapter unit.

Attach the fiber cables to the FlexPoint 10FL/T ST or SC connectors. Note that the FlexPoint transmit (Tx) must attach to the receive side on the device at the far end of the fiber and the receive (Rx) must attach to the transmit side.

Both the fiber and UTP ports must be connected in order for the unit to establish an end-to-end link.

DIP-SWITCH SETTINGS:

UTP Crossover DIP-Switch:

When connecting the UTP cable to a hub or switch, set the DIP-switch to straight-through **"UTP Hub/ Switch"** (factory setting). When connecting to a PC or workstation, set the DIP-switch to crossover **"UTP to Workstation"**.

Disable Auto-Negotiation and manually set port speed to 10Mbps on the connecting UTP device.

LED INDICATORS:

LED	Color	Description
Power On	Yellow	Power applied
Polarity	Yellow	Polarity reversal was detected and corrected automatically
Fiber Link	Green	Operational device detected at the far end of fiber
Fiber Rx	Green	Received data on fiber line
UTP Link	Green	Operational device detected at the far end of UTP
UTP Rx	Green	Received data on UTP link

TECHNICAL SUPPORT:

If you encounter problems in installing or maintaining this product, contact Omnitron Technical Support:

Phone: (949) 250-6510
Fax: (949) 250-6514
Address: Omnitron Systems Technology, Inc.
140 Technology Drive #500
Irvine, CA 92618 USA
E-mail: support@omnitron-systems.com
URL: http://www.omnitron-systems.com

User Warranty Registration

Please register on-line @ **http://www.omnitron-systems.com** or complete both sides and mail or fax this registration form to:

Omnitron Systems Technology, Inc.
140 Technology Drive, #500
Irvine, CA 92618 USA
Fax: (949) 250-6514

Name: _____
Company: _____
Address: _____
_____
City: _____ State: _____ Zip Code: _____
Country: _____
Phone: _____ Fax: _____
E-mail: _____

Please complete both sides of this form

Warning

The operating description in this Instruction Manual is for use by qualified personnel only. To avoid electrical shock, do not perform any servicing of this unit other than that contained in the operating instructions, unless you are qualified and certified to do so by Omnitron Systems Technology, Inc.

Caution

All user-required operations can be performed without opening the unit. Never attempt to open or remove the cover or tamper with the unit.

Warranty

This product is warranted to the original purchaser against defects in material and workmanship for a period of TWO YEARS from the date of shipment. A LIFETIME warranty may be obtained by the original purchaser by REGISTERING this product with Omnitron within 90 days from the date of shipment. TO REGISTER, COMPLETE AND MAIL OR FAX THE REGISTRATION PORTION OF THIS INSTRUCTION MANUAL TO THE INDICATED ADDRESS. Or you may register your product on the internet at http://www.omnitron-systems.com. During the warranty period, Omnitron will, at its option, repair or replace a product which is proven to be defective.

For warranty service, the product must be sent to an Omnitron designated facility, at Buyer's expense. Omnitron will pay the shipping charge to return the product to Buyer's designated US address using Omnitron's standard shipping method.

Limitation of Warranty

The foregoing warranty shall not apply to defects resulting from improper or inadequate use and/or maintenance of the equipment by Buyer, Buyer-supplied equipment, Buyer-supplied interfacing, unauthorized modifications or tampering with equipment (including removal of equipment cover by personnel not specifically authorized and certified by Omnitron), or misuse, or operating outside the environmental specification of the product (including but not limited to voltage, ambient temperature, radiation, unusual dust, etc.), or improper site preparation or maintenance.

No other warranty is expressed or implied. Omnitron specifically disclaims the implied warranties of merchantability and fitness for any particular purpose.

Exclusive Remedies

The remedies provided herein are the Buyer's sole and exclusive remedies. Omnitron shall not be liable for any direct, indirect, special, incidental, or consequential damages, whether based on contract, tort, or any legal theory.

Form: 040-04300-003E 11/07

Notes:

User Warranty Registration

Please register on-line @ **http://www.omnitron-systems.com** or complete both sides and mail or fax this registration form to:

FlexPoint Type: ❑ 10FL/T ❑ 10FL/2 ❑ 10T/2 ❑ Other _____
Model: _____
Serial Number: _____ Purchase Date: _____
Purchased From: _____
Address: _____
City: _____ State: _____ Zip Code: _____
Country: _____
Comments and Suggestions: _____
_____
_____

Please complete both sides of this form